

Hydraulic Components Coupling KK-M14x1.5

max. 315 bar • max. 20 l/min



Description

The FLUID TEAM hydraulic components coupling (check valve) finds its application particularly in the device construction.

Oil channels of modules are locked easily and reliably, as soon as these are completely divided. Due to these properties the parts are suitable for direct assembly in removable devices of machine tool.

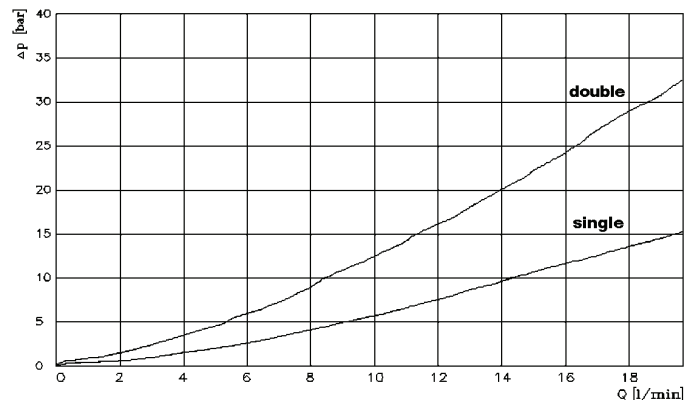
Flow direction can be both sides.

The hemispherical surface of seat valve is hardened and generate a high-grade leak tightness.

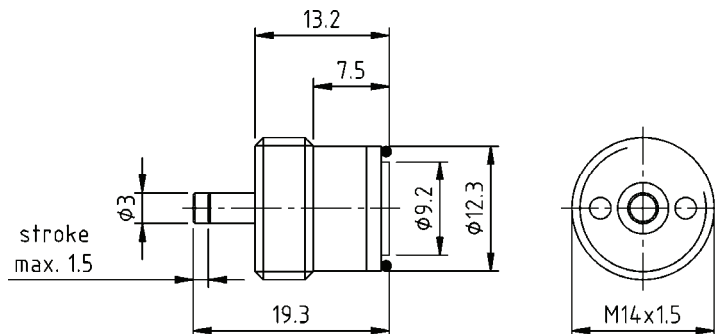
Technical datas

Rated pressure:	max. 315bar
Rated flow:	max. 20l/min
Pressure drop:	see diagram
Fluids:	mineral oils (according DIN 51524)
Filtration:	min. 25µm
Operating temperature:	-20°C - +80°C
Installation position:	optional
Weight:	approx. 10g / piece
Material:	steel
O-ring (Ø11x1; 90shore):	NBR

Pressure drop vs. flow characteristic (Δp -Q-diagram)



Dimension illustration

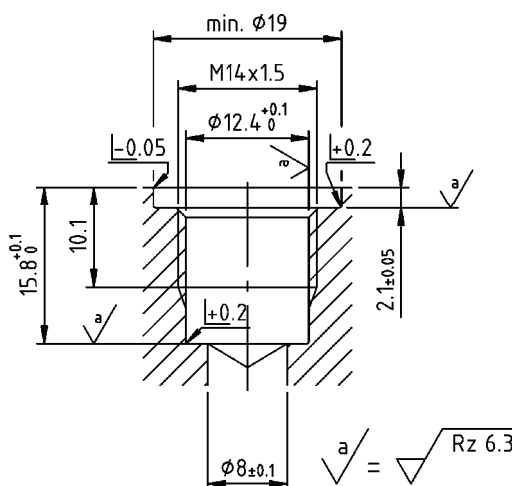


Product numbers

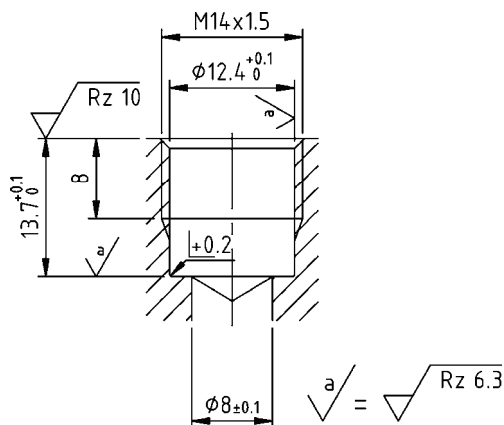
Coupling with long pin:	131.0005
Coupling with short pin:	131.0006
O-ring Ø11x1; 90shore (incl.):	401.0101
Mounting tool AVA1C:	139.0007

O-ring Ø9x1; 70shore (incl.): 401.0028
 (for alternative hole design;
 see packing advice)

Mounting Cavity



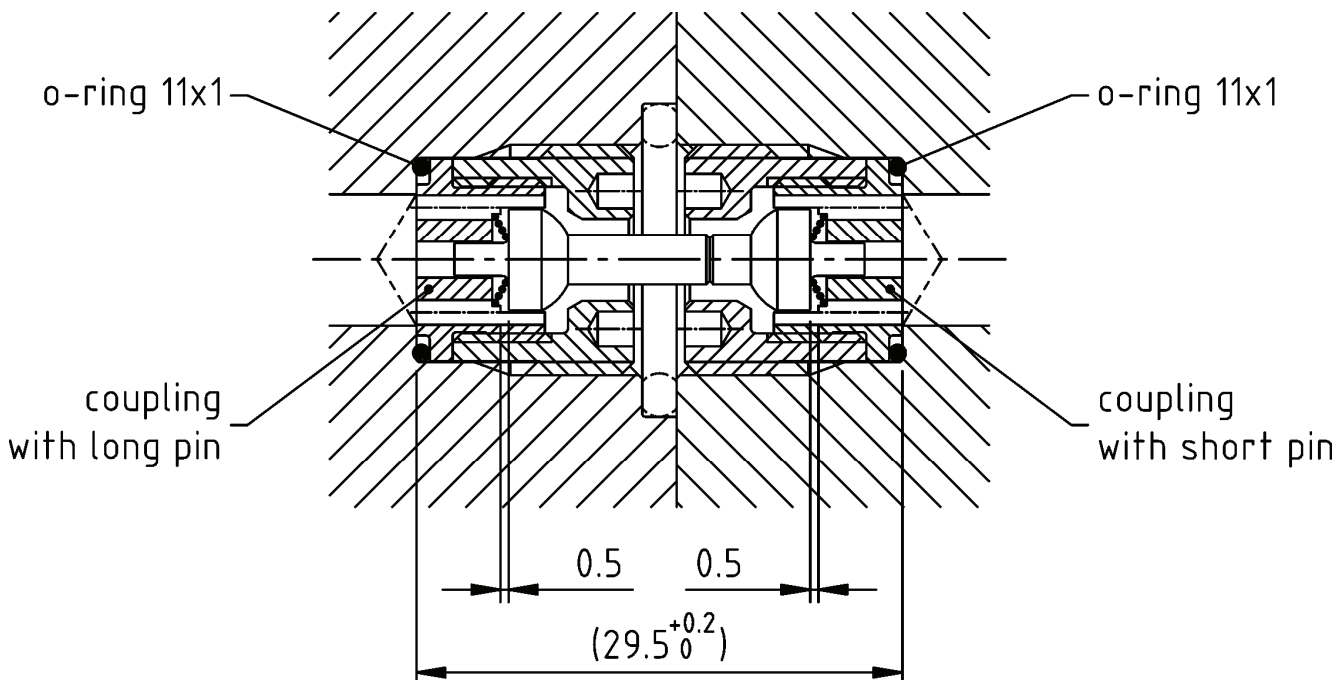
mounting cavity KK-M14x1.5
 (for coupling with long pin)



mounting cavity KK-M14x1.5
 (for coupling with short pin)

The diameter for counterbore of flange surface has to be selected according o-ring (cross section: 2,62 mm) dimensions but shouldn't be less than Ø19,0mm

Mounting situation



Remark

O-ring Ø11x1 to be inserted carefully into the bore before mounting the coupling components.
 O-ring counterbore (for o-ring with cross section 2,62mm) should be 2,1mm.
 Operation stroke for 1 pin should not exceed max. 1,5mm.
 Radial forces on the pin are not allowed.
 Coupling operation to be pressureless.
 In non operated position the long pin (valve art.-No. 131.0005) poke out of surface by 3,5mm.

All dimensions are metrical.